

## 1 Download

### 1.1 Safety precautions



A power failure during the download procedure may damage the initial program loader on the respective assembly.

Carry out a download only when the EvitaXL is connected to the mains voltage supply.



Risk of damage to the initial program loader in the EvitaXL if the power saving function is activated on the service laptop computer.

Always connect the service laptop computer to the mains power supply before carrying out a download.



Risk of damage to the initial program loader in the EvitaXL if background programs are activated.

Before carrying out a download, deactivate all screensavers, virus scanners, or indexing functions (e.g. from Microsoft). Read also the chapters “Help” and “Questions and Answers” mentioned in the DrägerService software.

### 1.2 Downloading the device software to the DrägerService software

- 1 Connect the service PC to the mains power supply.
- 2 Switch on the service PC.
- 3 After the service PC has started, insert the “device software” disk or CD-ROM in the service PC drive.
- 4 Start the “service software” program.

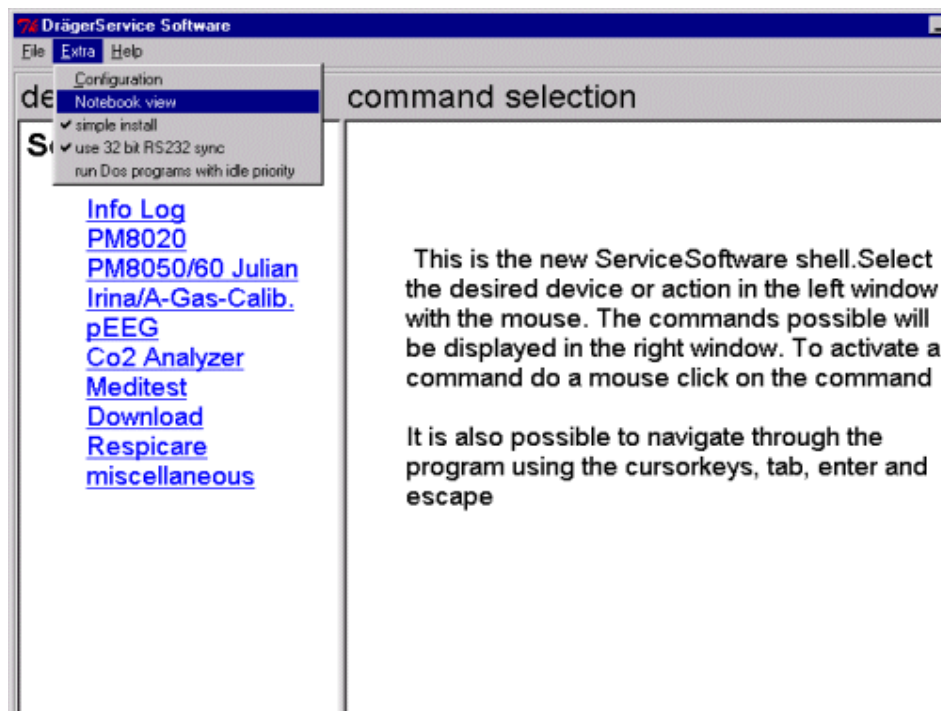
The “disclaimer information” window pops up, see [Fig. 1](#).

- 5 Confirm by clicking on the “Yes” button.



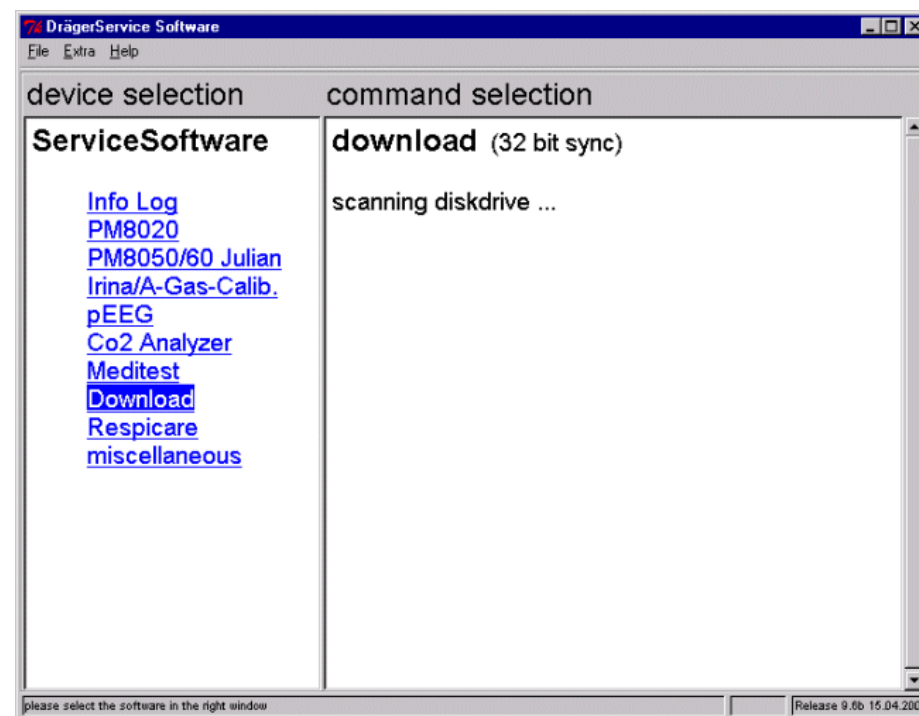
**Fig. 1** Disclaimer information window

- 6 Unselect the “Notebook view” item in the “Extra” menu; that is, make sure there is no check sign in front of the “Notebook view” item, see Fig. 2.



**Fig. 2** Menu bar

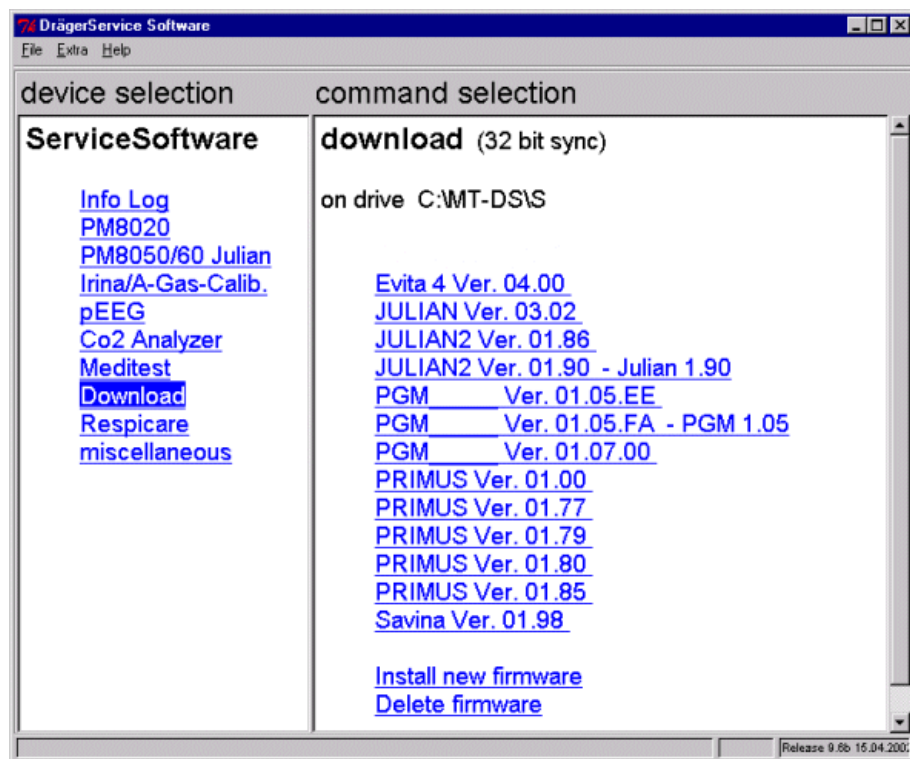
- 7 Select the menu item “Download” from the “device selection” column, see Fig. 3.



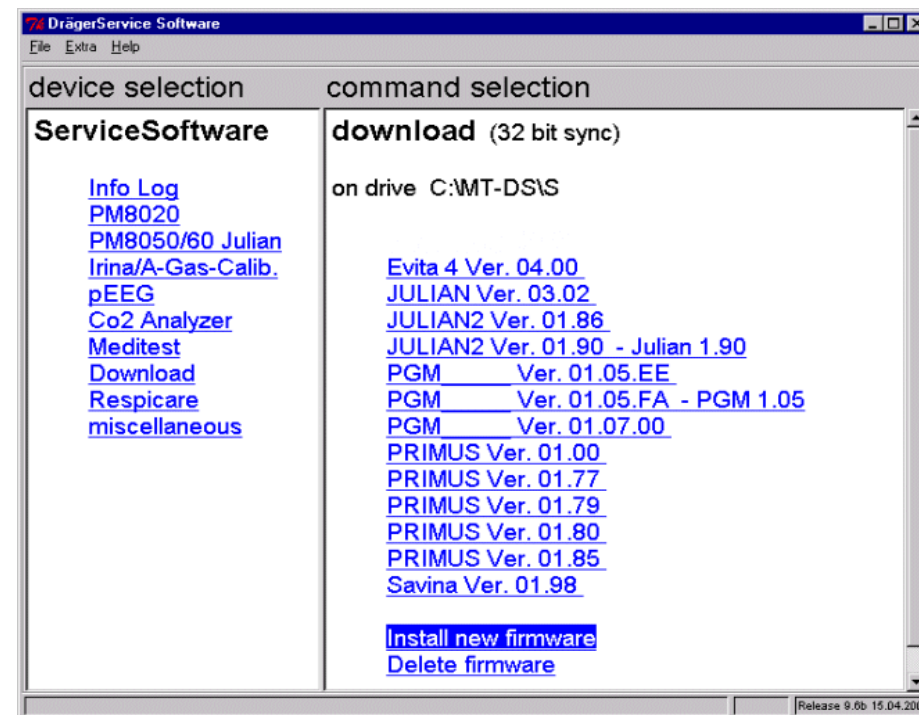
**Fig. 3** DrägerService software (calling up the device download software)

The service PC searches the hard disk for existing “device software” entries.

The following message will be displayed on the service PC.



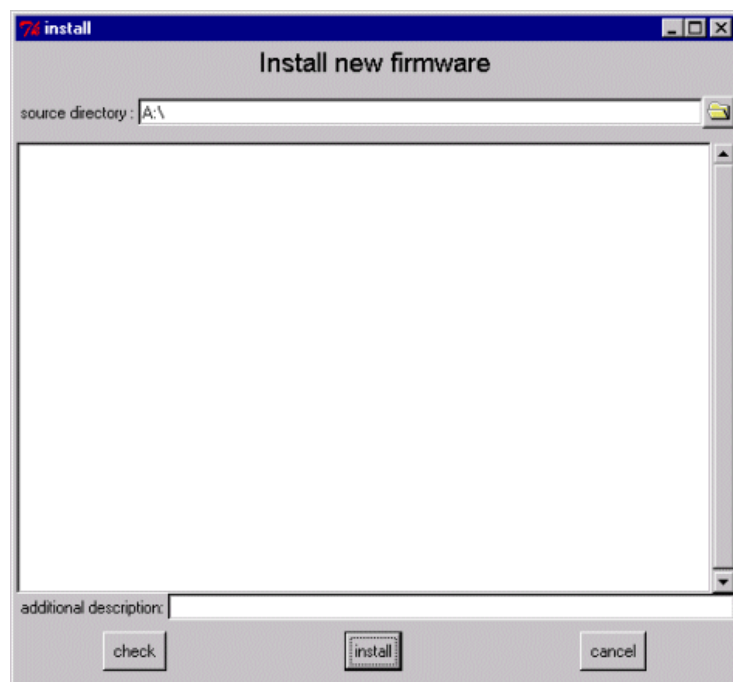
**Fig. 4** Window (device download software entries)



**Fig. 5** Window (device download software entries)

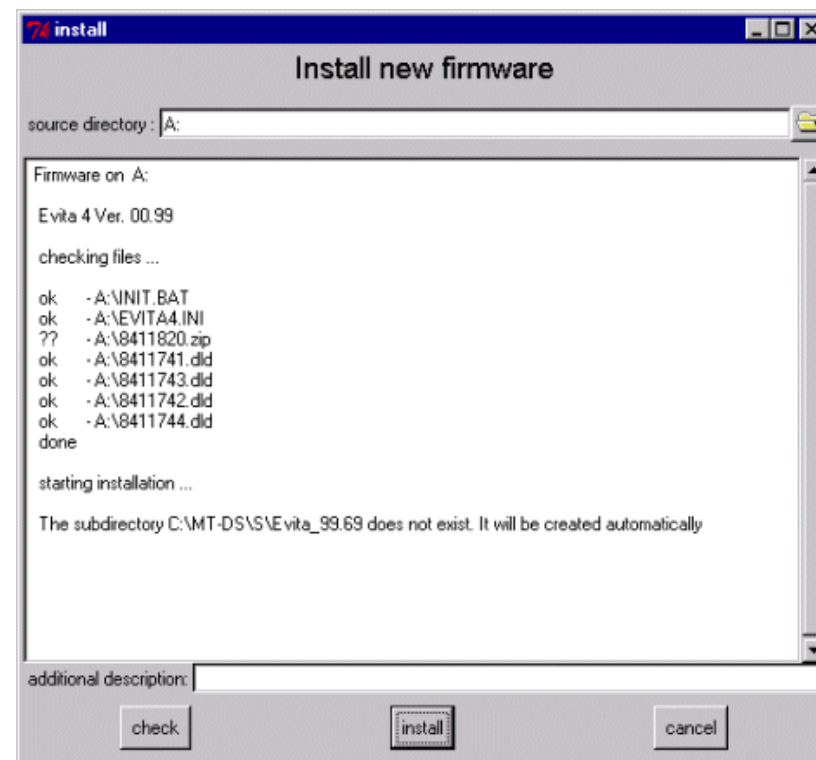
The following message will then appear on the display of the service PC:

- 8 Install the required “device software” on the service PC by clicking on the “Install new firmware” menu item, see Fig. 5.



**Fig. 6** Window (installation of new device software 1)

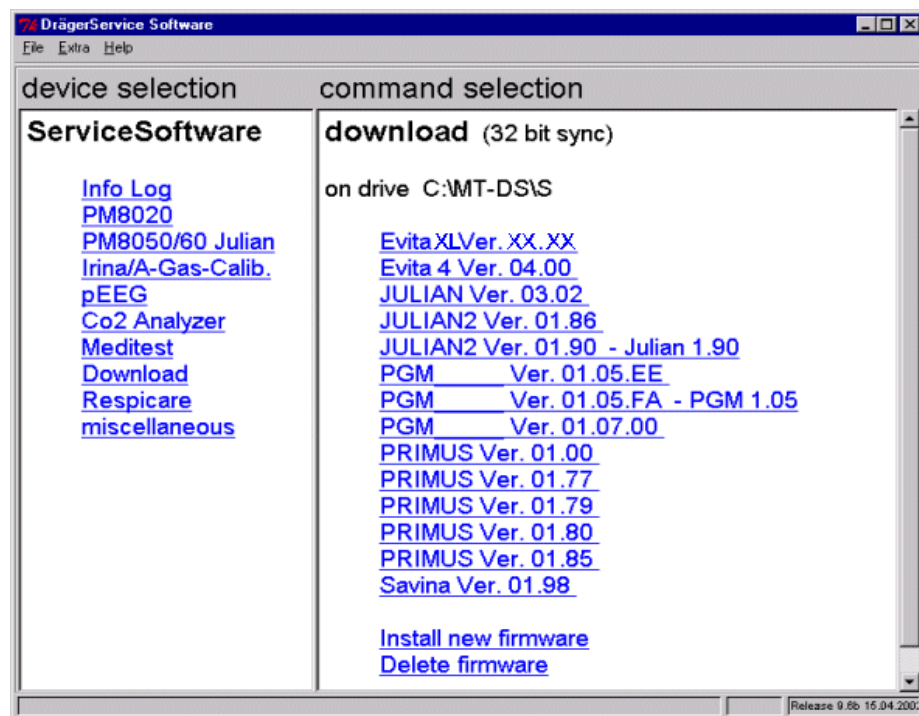
- 9 Select the drive with the “device software” disk.
- 10 Click on the “check” button in the “Install new firmware” window.



**Fig. 7** Window (installation of new device software 2)

- 11 Click on the “install” button in the “Install new firmware” window.

The service PC copies the new “device software” to the DrägerService software.



**Fig. 8** Window (device download software entries)

The new “device software” is now installed on the service PC.

- 12 Quit the DrägerService program.
- 13 Remove the “device software” disk or CD-ROM from the drive.
- 14 Shut down the service PC.
- 15 Switch off the service PC.

### 1.3 Downloading the device software to the EvitaXL



In order to be able to download the requested “device software” to the EvitaXL, you need to download the “device software” to the DrägerService software first.

Download the requested “device software” to the DrägerService software first, if this has not been done yet; see section 1.2 [Downloading the device software to the DrägerService software](#).

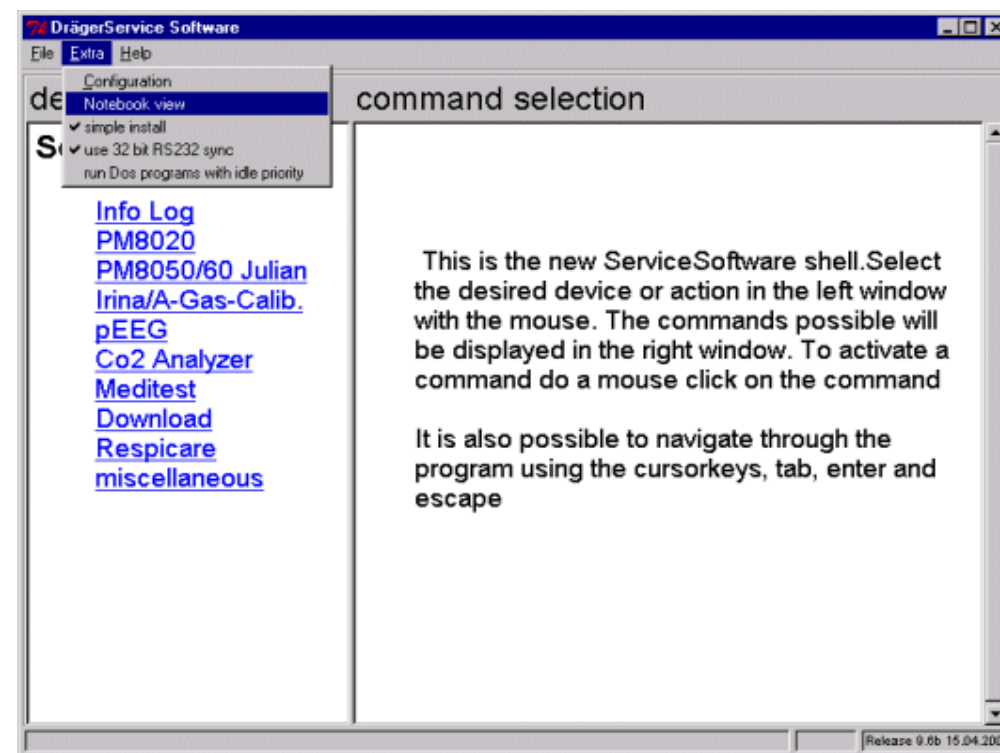
- 1 Read the safety precautions in section 1.1 [Safety precautions](#).
- 2 Switch off the EvitaXL.
- 3 Plug the connector of the RS232 adapter 7901888 into the RS232 socket on the EvitaXL.
- 4 Connect the RS232 extension cable 7901808 to the RS232 adapter 7901888.
- 5 Connect the RS232 extension cable 7901808 to the service PC.
- 6 Connect the service PC to the mains power supply.
- 7 Switch on the service PC.
- 8 After booting the service PC, call up the “DrägerService software”.

The “disclaimer information” window pops up, see [Fig. 9](#).

- 9 Confirm by clicking on the “Yes” button in the “disclaimer information” window.



**Fig. 9** Disclaimer information window

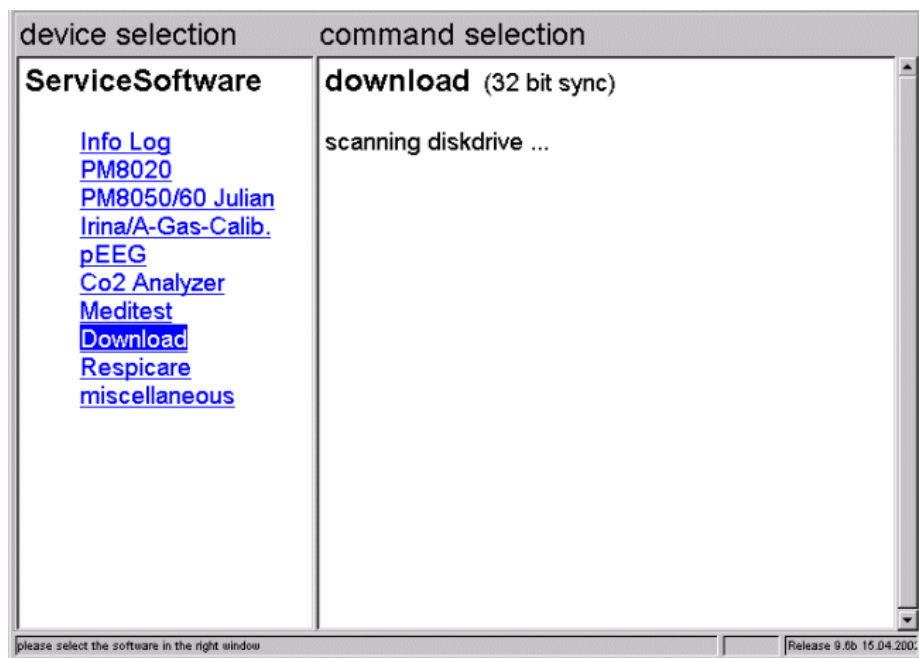


**Fig. 10** Menu bar

- 10 Unselect the “Notebook view” item in the “Extra” menu; that is, make sure there is no check sign in front of the “Notebook view” item, see [Fig. 10](#).

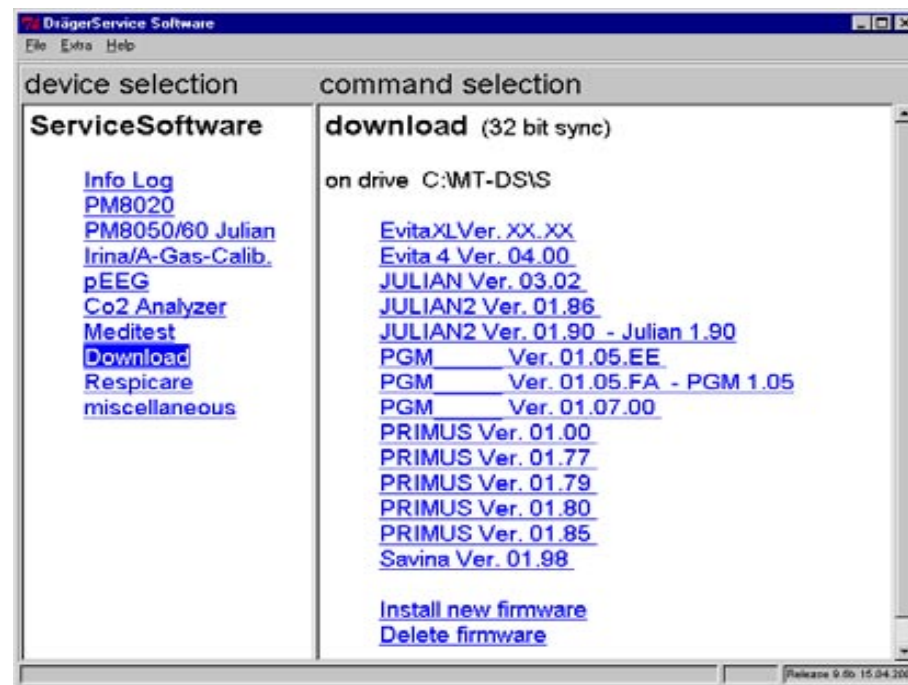
- 11 Select the menu item “Download” from the “device selection” column, see [Fig. 11](#).





**Fig. 11** DrägerService software (calling up the device download software)

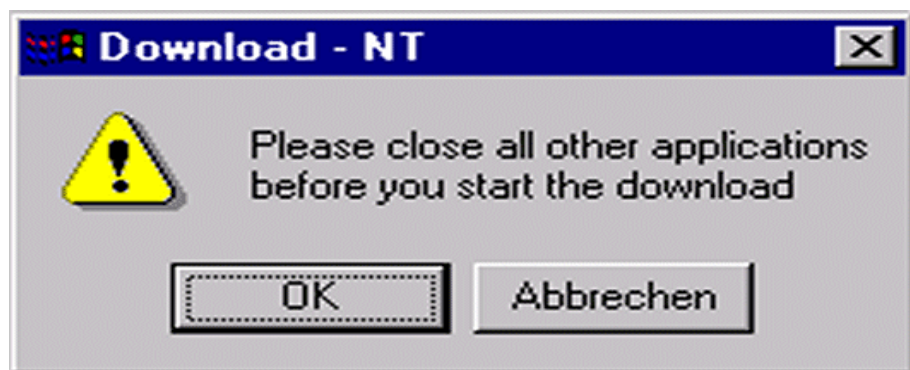
The service PC searches the hard disk for existing “device software” entries, see Fig. 12.



**Fig. 12**

- 12 Click on the requested “device software” (EvitaXL) in the “command selection” column.

The “Download NT” window pops up.

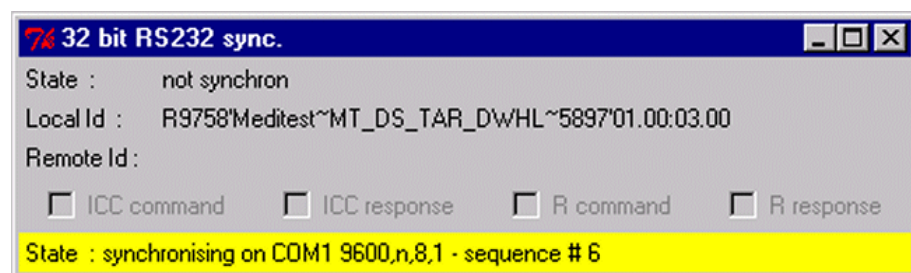


**Fig. 13** Download NT window

13 Close all other applications.

14 Click on the “OK” button in the “Download NT” window.

The “32-bit synchronization” and “32-bit RS232 sync.” windows appear on the display.



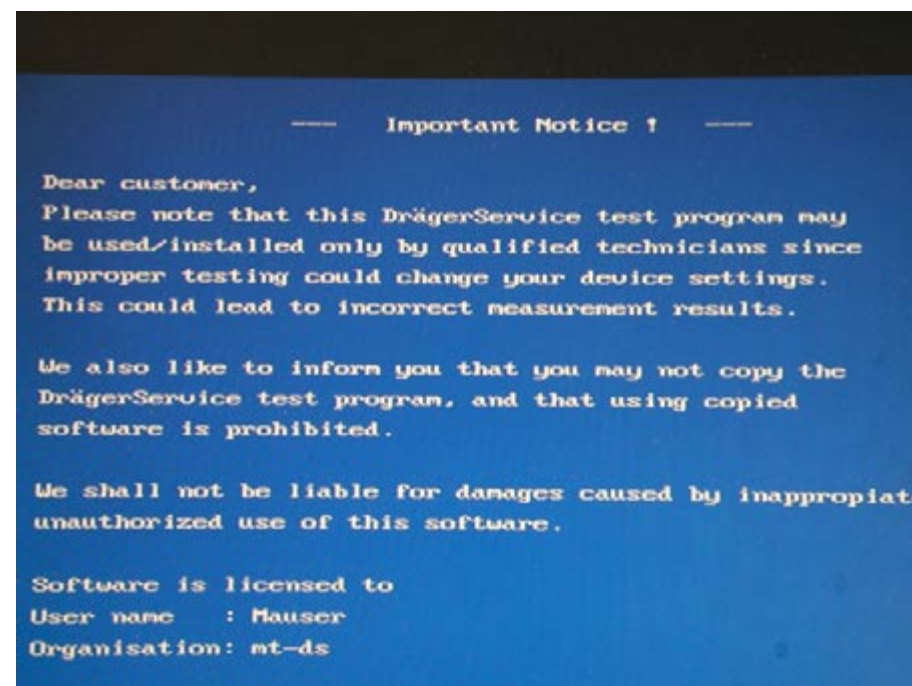
**Fig. 14** 32-bit RS232 sync. window

15 Switch on the EvitaXL.

The service PC synchronizes with the EvitaXL. The download program is called up.

The message “Important information” appears on the display of the service PC, see [Fig. 15](#).

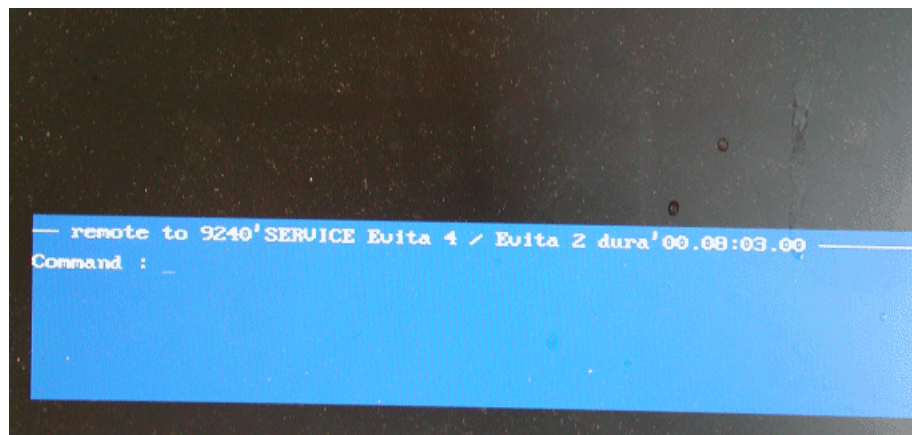
16 Press the “Y” button on the service PC to accept the “Conditions”.



**Fig. 15** Important information window

The following message appears on the display:

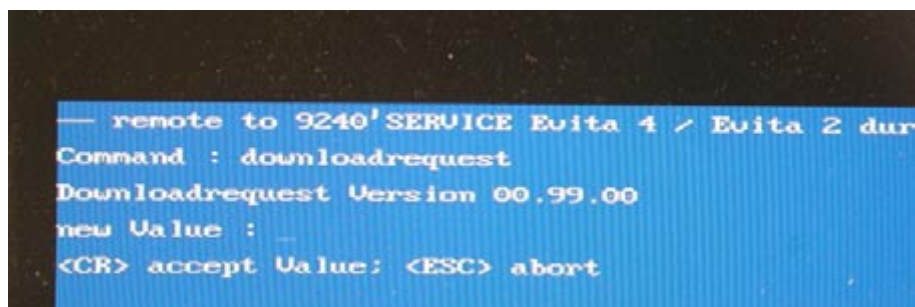




**Fig. 16** Connected to device window

- 17 Select the "downloadrequest" command using the "PgUp" or "PgDn" key.
- 18 Press the "Enter" key.

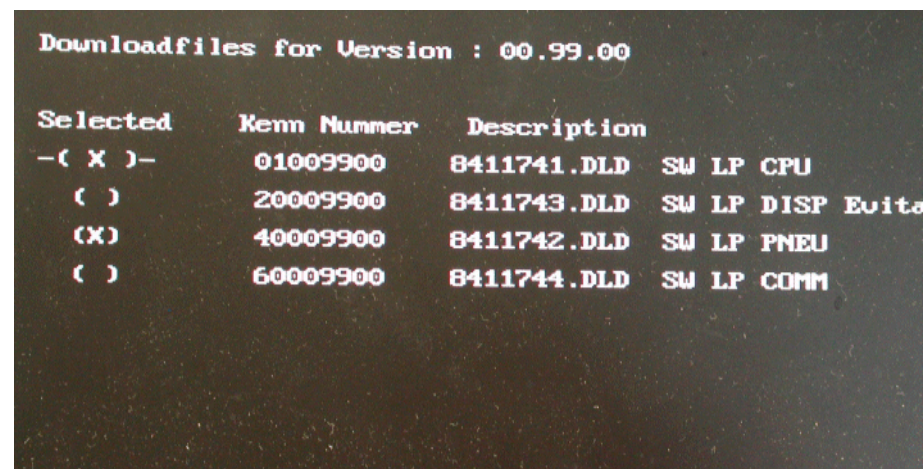
The following message appears:



**Fig. 17** Download request window

- 19 Press the "Enter" key.

The following message appears:



**Fig. 18** Download files window

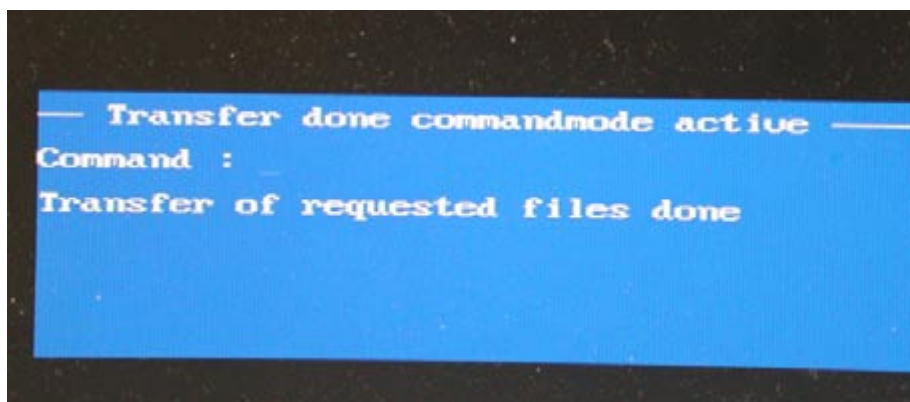
- 20 The device software can now be downloaded to individual assemblies (CPU PCB, Display PCB, PNEU PCB, or COMM PCB) of the EvitaXL or, if necessary, to all assemblies.

The assembly is selected when an "X" appears in the "Selected" column. Use the "arrow" keys to highlight the assembly. Press the "Space" key to select the assembly.

- 21 Press the "Enter" key.

- 22 Now the “device software” is downloaded to the selected assemblies in succession. The download procedure may take up to approx. 60 minutes.

The “device software” has been successfully downloaded if the following message appears on the display:



**Fig. 19** End of transfer window

- 23 Switch off the EvitaXL.  
24 Quit the download program by pressing the “ESC” key on the service PC.  
25 Quit the “DrägerService software”.  
26 Disconnect the RS232 cable and the RS232 adapter from the EvitaXL and from the service PC.  
27 Shut down the service PC.

- 28 Switch off the service PC.  
29 Switch on the EvitaXL.

The device completes its self-test. No error messages are displayed in the operating mode.

**i** The alarm “data loss” may occur when updating a device software, e.g. from 1.0 to 2.0. However, this alarm disappears after a few minutes and should not reoccur after switching on the device again.

**i** Device functions and activation of optional features are not influenced by the download procedure. Device functions and activated optional features are stored in an EEPROM located on the CPU 68332 PCB.

**i** A power failure during the download procedure could possibly damage the initial program loader (IPL) on the respective printed circuit board. Downloading must then be carried out via the BD32 interface.